

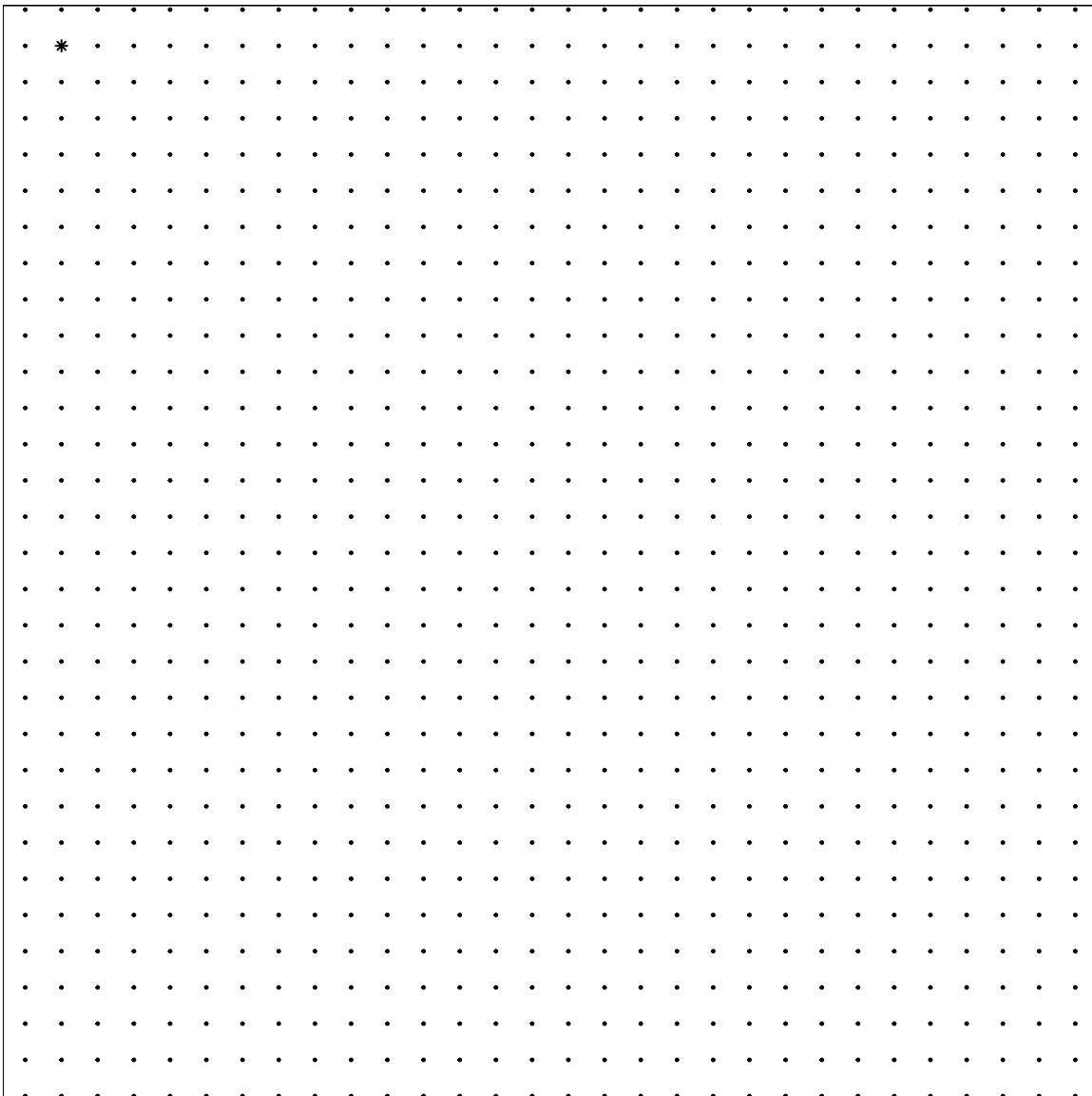
Name: _____

Date: _____

Grid Countdown Spirals

Follow the teacher!

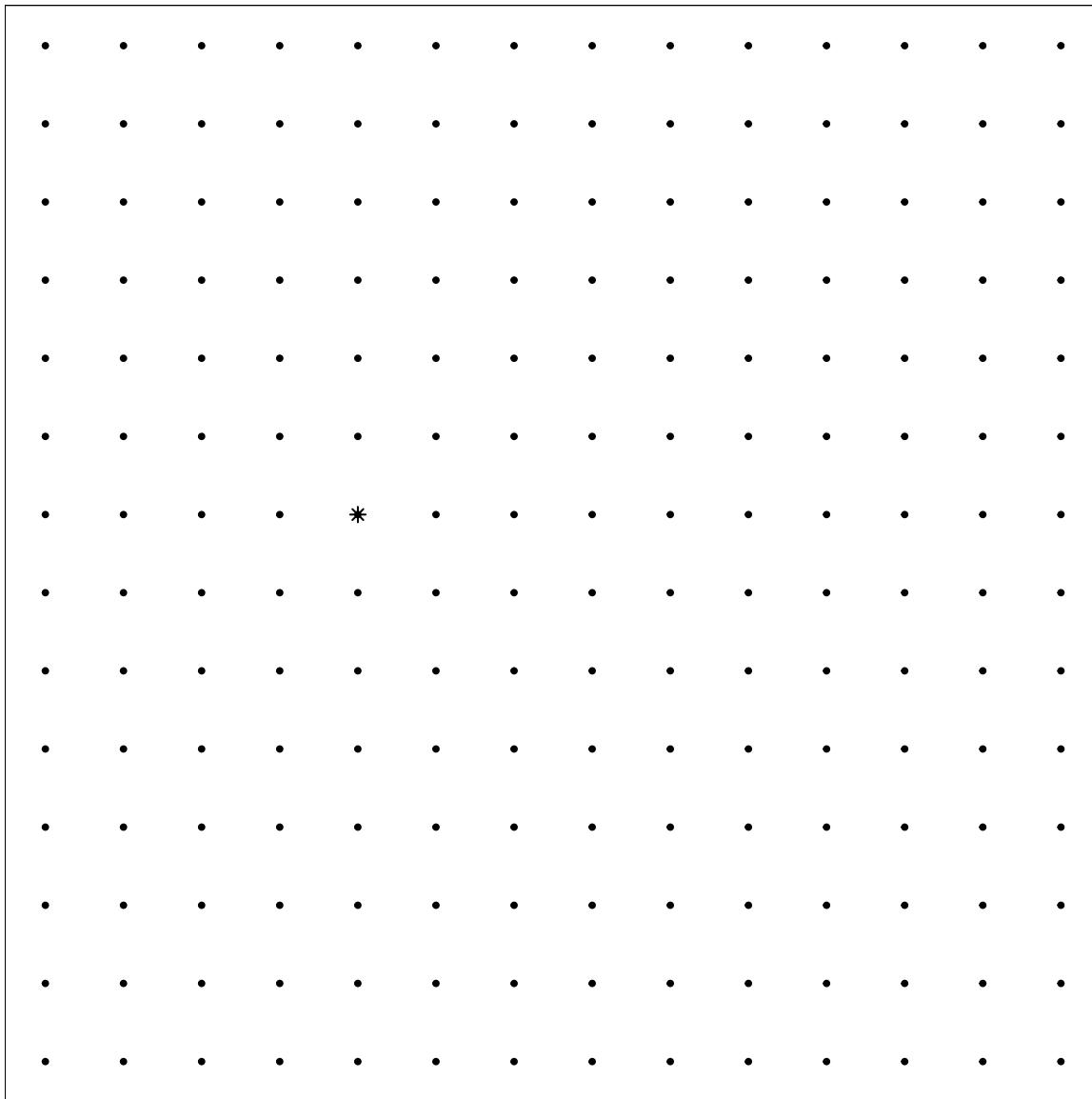
1. Start at the star.
2. Go down 4 units.
3. Go right 3 units.
4. Go up 2 units.
5. Go left 1 unit.
6. Repeat steps 2 through 5... Notice a 90° turn counterclockwise after each segment.



- Describe the result:

Repeatedly count backwards from 5 for distances, turning 90° counterclockwise after each segment. Remember... Down, Right, Up, Left!

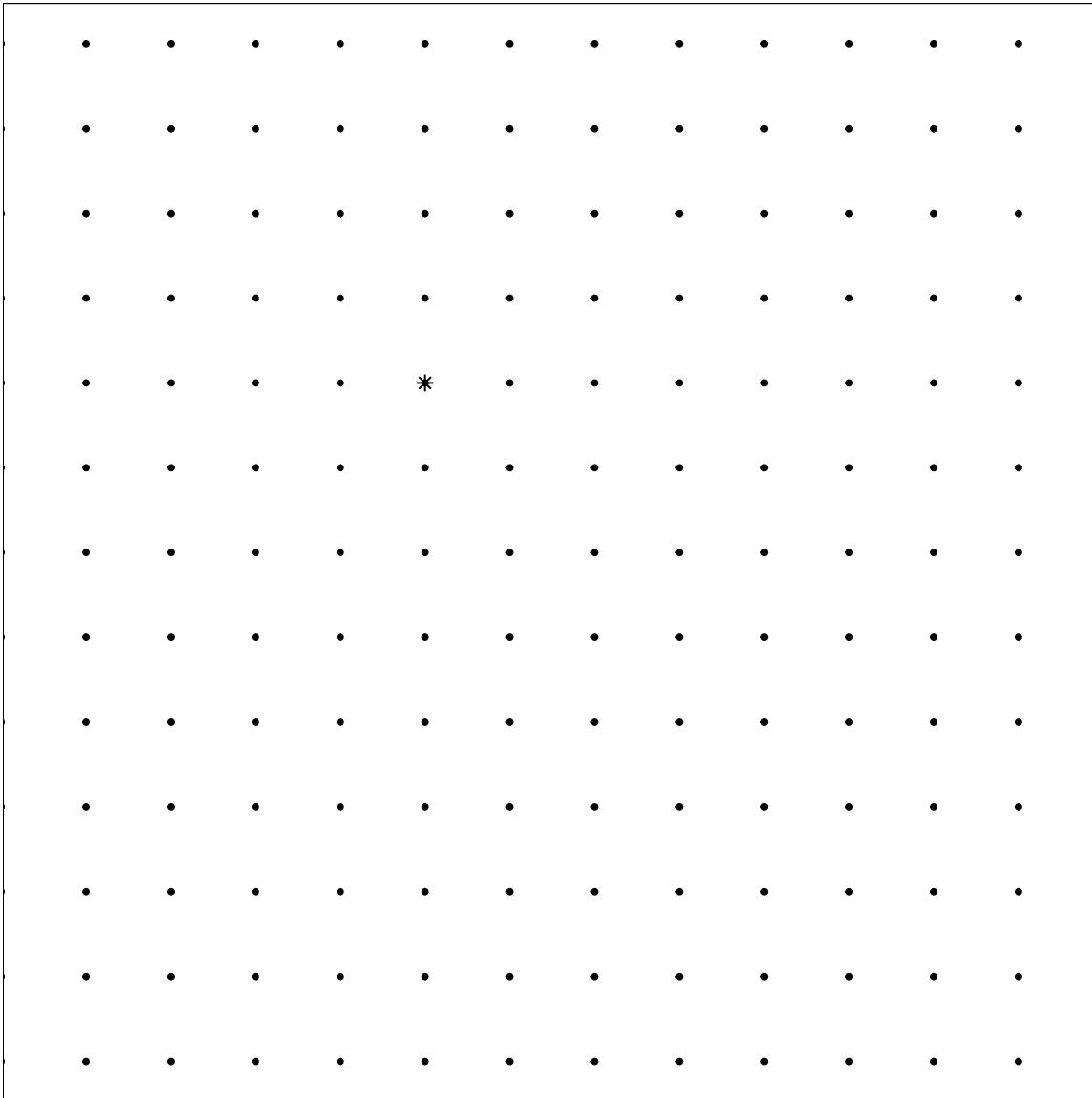
1. Start at the star, heading down.
2. Move 5 and then turn 90° counterclockwise.
3. Move 4 and then turn 90° counterclockwise.
4. Move 3 and then turn 90° counterclockwise.
5. Move 2 and then turn 90° counterclockwise.
6. Move 1 and then turn 90° counterclockwise.
7. Repeat steps 2 through 6.



- Describe the result:

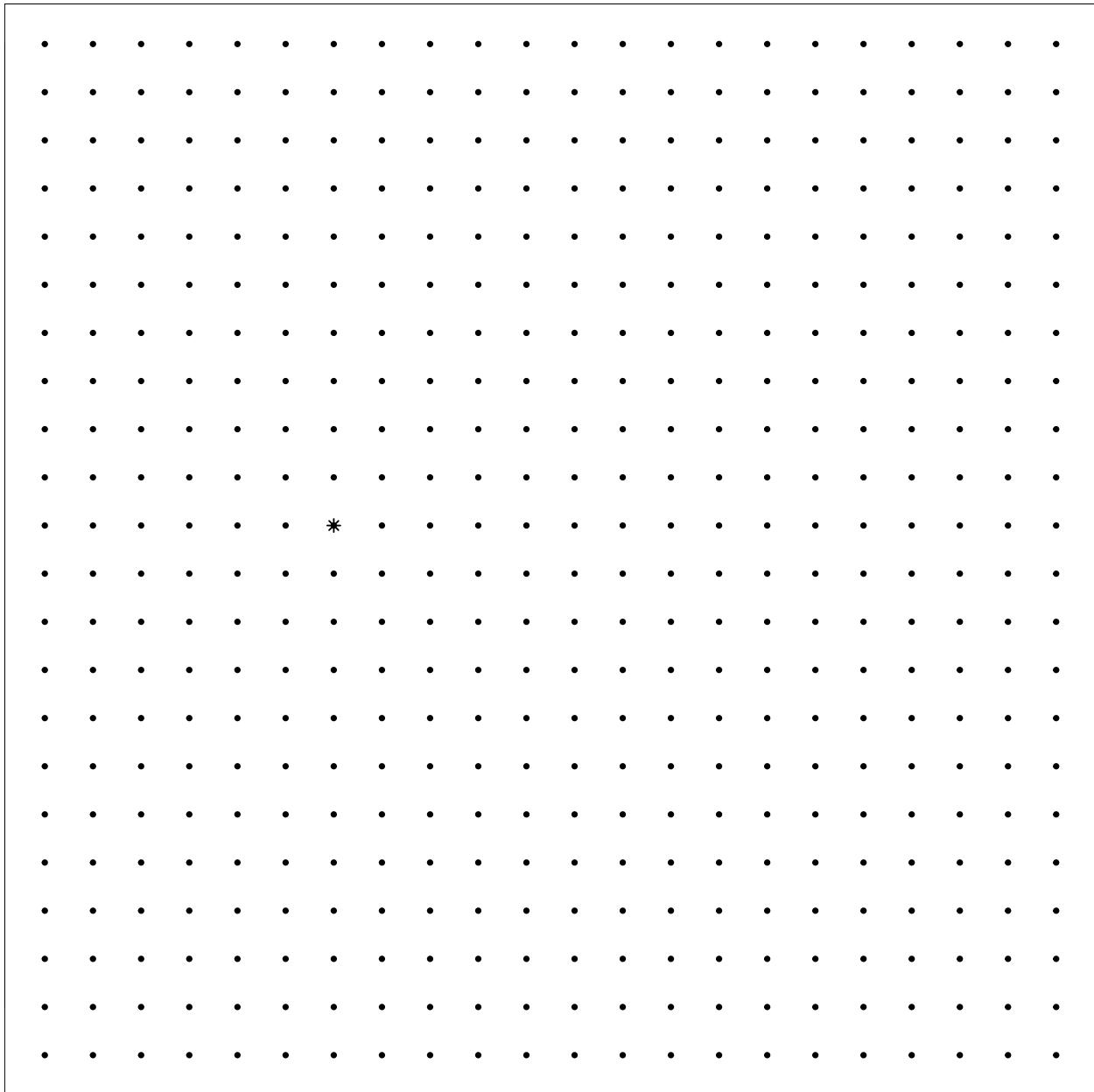
Repeatedly count backwards from 6 for distances, turning 90° after each segment. Remember... Down, Right, Up, Left!

1. Start at the star, heading down.
2. Move 6 and then turn 90° counterclockwise.
3. Move 5 and then turn 90° counterclockwise.
4. Move 4 and then turn 90° counterclockwise.
5. Move 3 and then turn 90° counterclockwise.
6. Move 2 and then turn 90° counterclockwise.
7. Move 1 and then turn 90° counterclockwise.
8. Repeat steps 2 through 7.



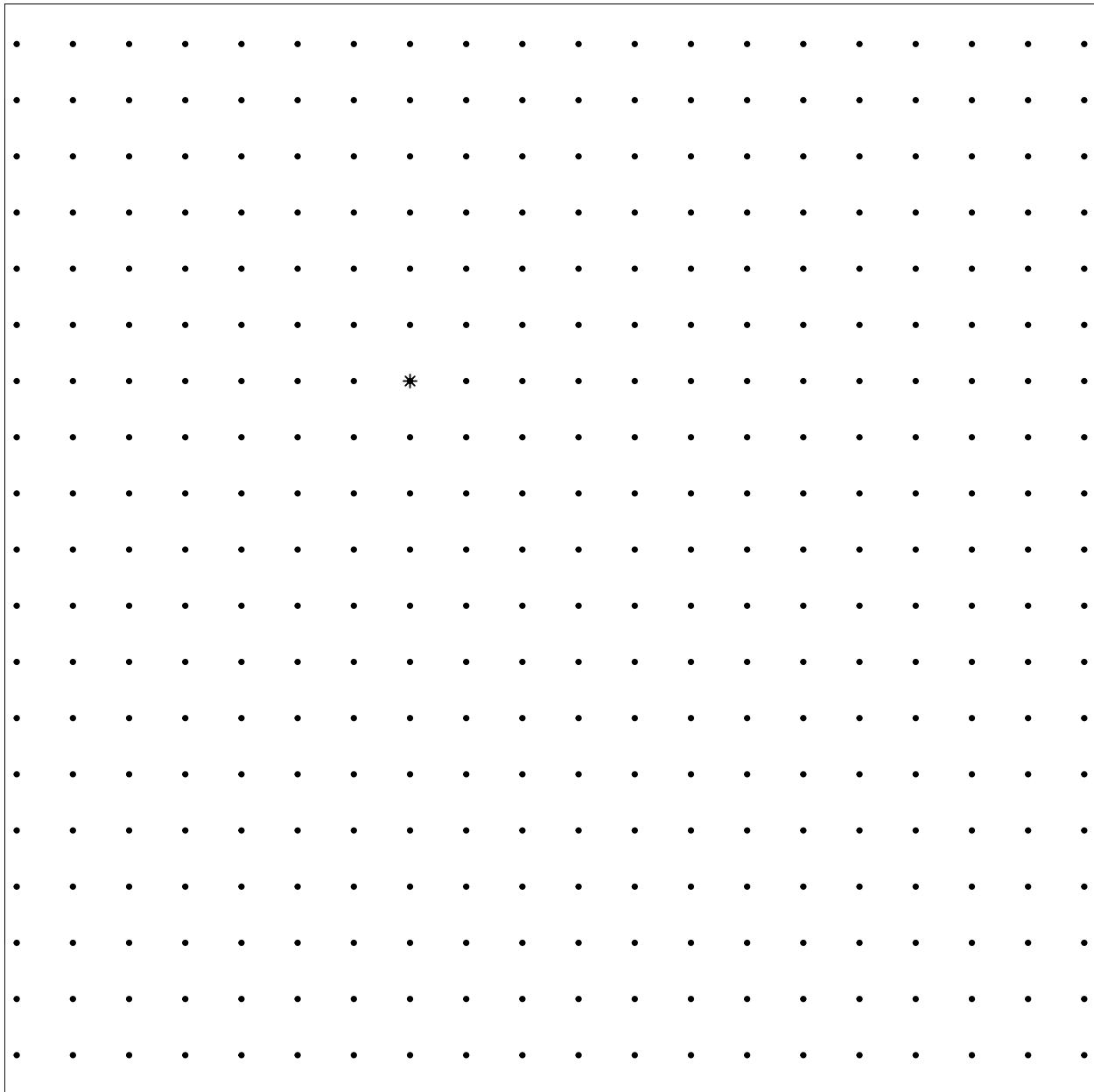
- Describe the result:

- Start at star, heading down.
- Repeatedly count backwards from 9 for distances. So, first go down 9, right 8, ...
- Turn 90° counterclockwise after each segment. Remember... Down, Right, Up, Left!



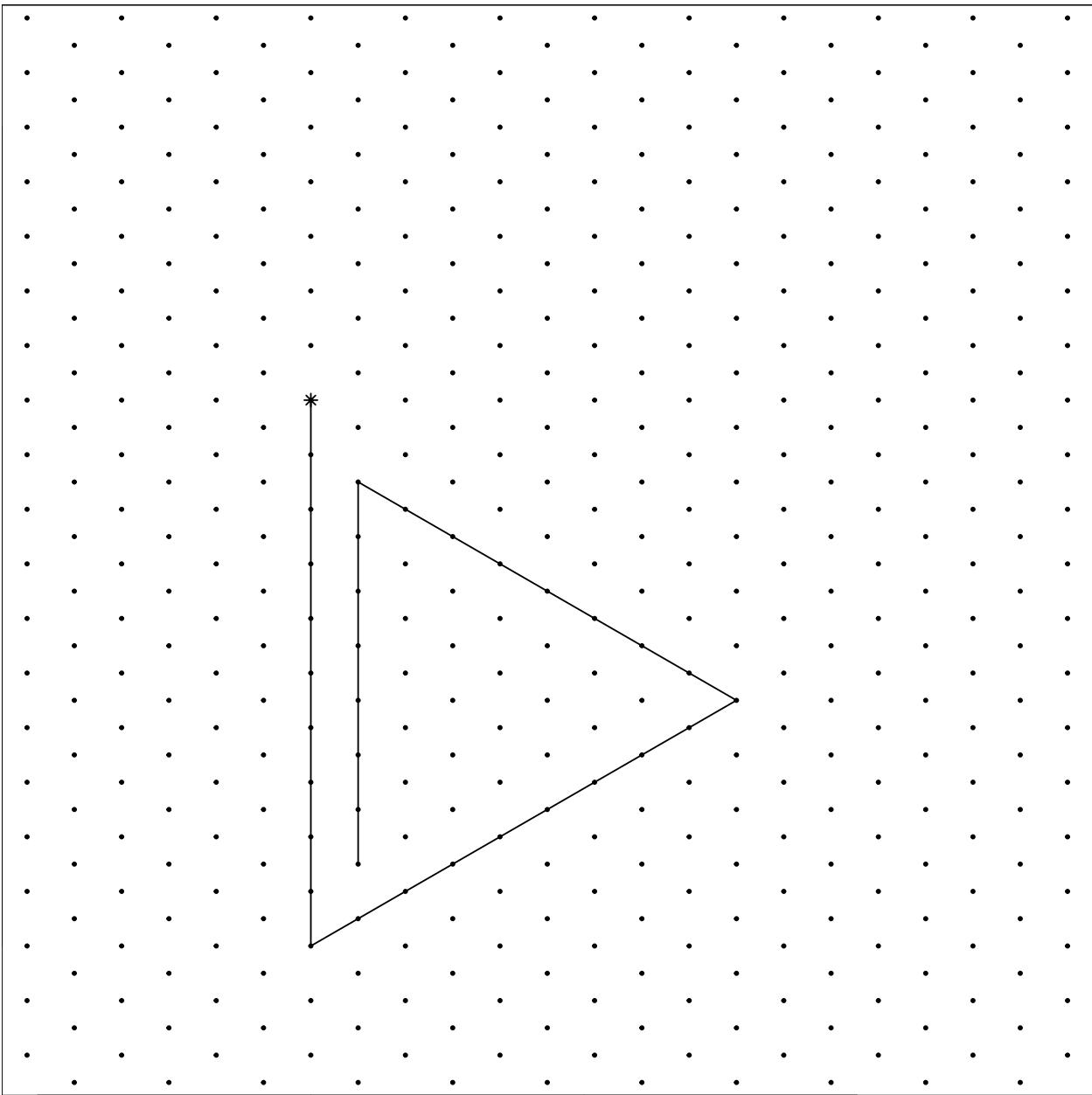
- Describe the result:

- Start at star, heading down.
- Repeatedly count backwards from 10 for distance.
- Turn 90° counterclockwise after each segment. Remember... Down, Right, Up, Left!



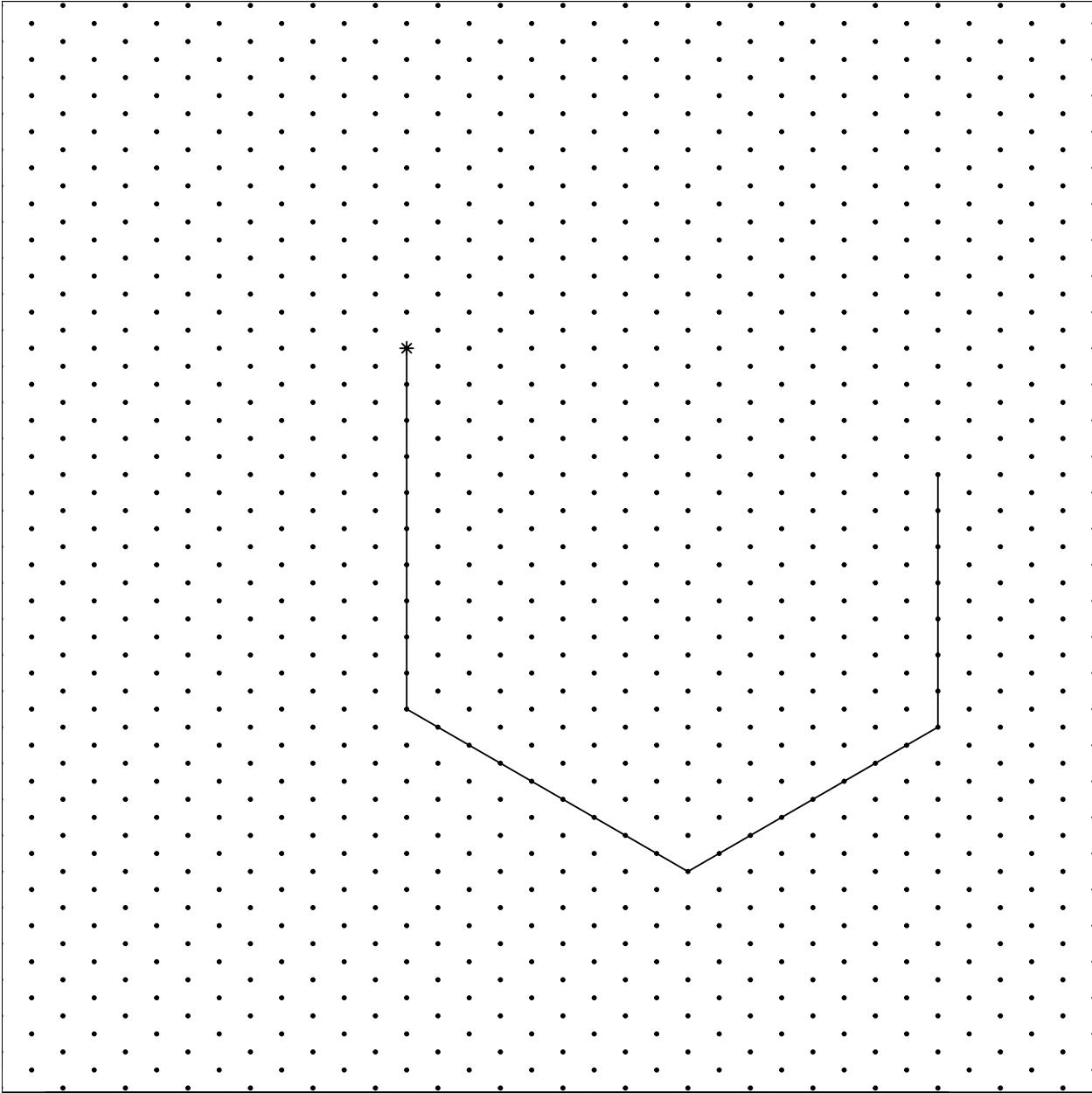
- Describe the result:

- Start at star heading down.
- Repeatedly count backwards from 10 for distance.
- Turn **120° counterclockwise** after each segment.
 1. Down (South)
 2. Up-Right (Northeast)
 3. Up-Left (Northwest)
- I've started the pattern for you.



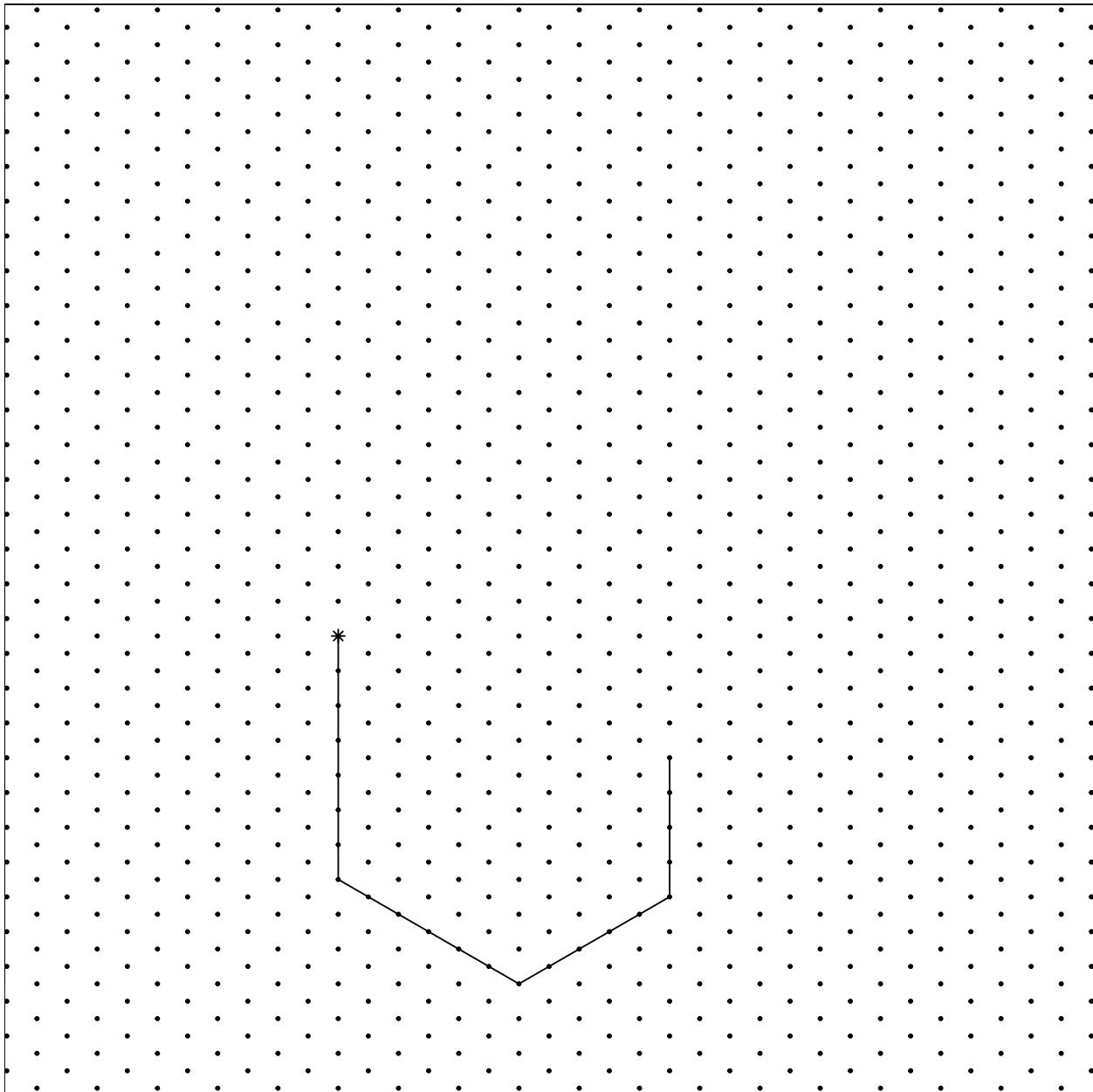
- Describe the result:

- Start at star, heading down.
- Repeatedly count backwards from 10 for distance.
- Turn 60° counterclockwise after each segment.
 1. S
 2. SE
 3. NE
 4. N
 5. NW
 6. SW
- I've started the pattern for you.



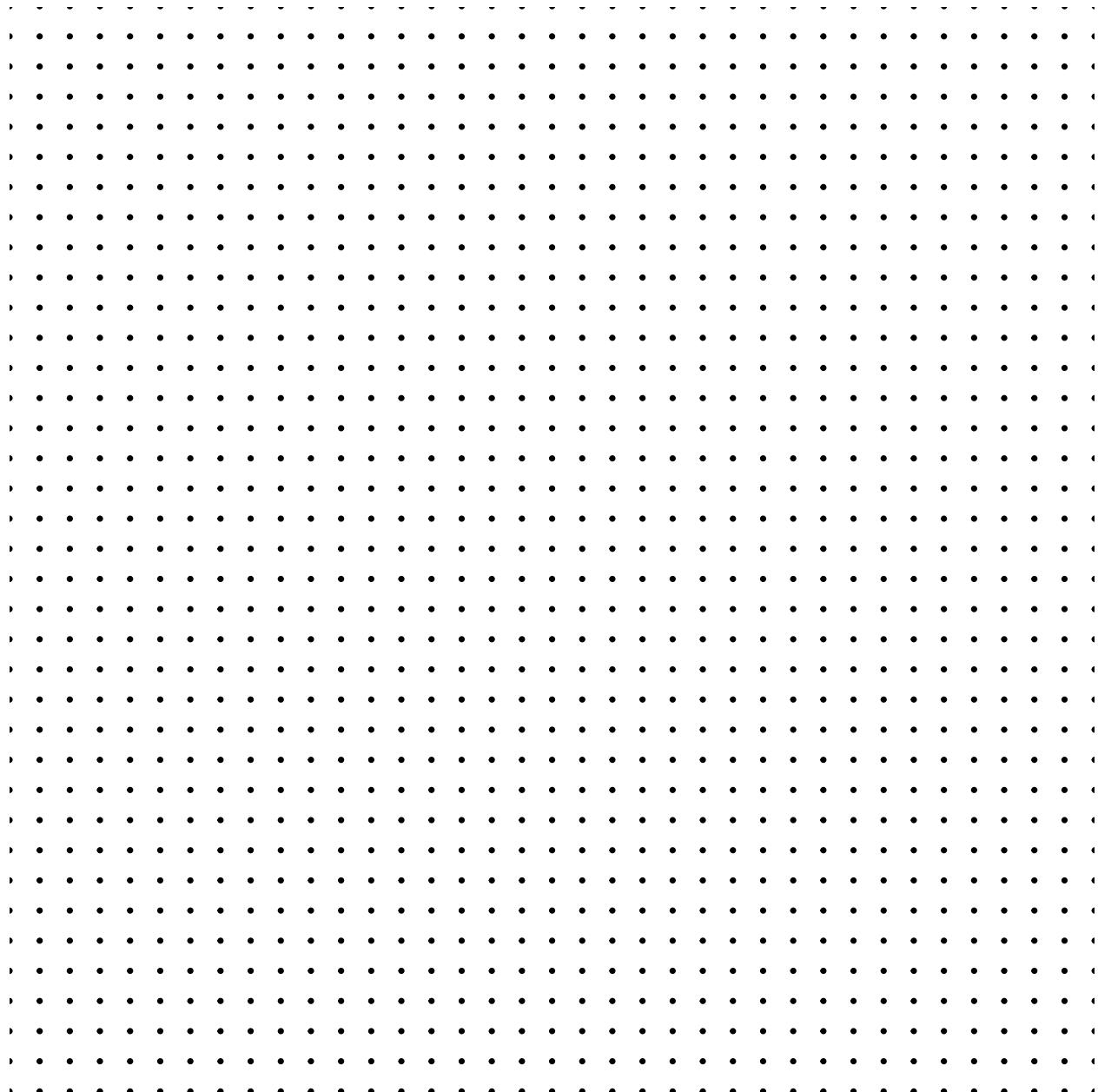
- Describe the result:

- Start at star, heading down.
- Repeatedly count backwards from 7 for distance.
- Turn 60° counterclockwise after each segment.
- I've started the pattern for you.



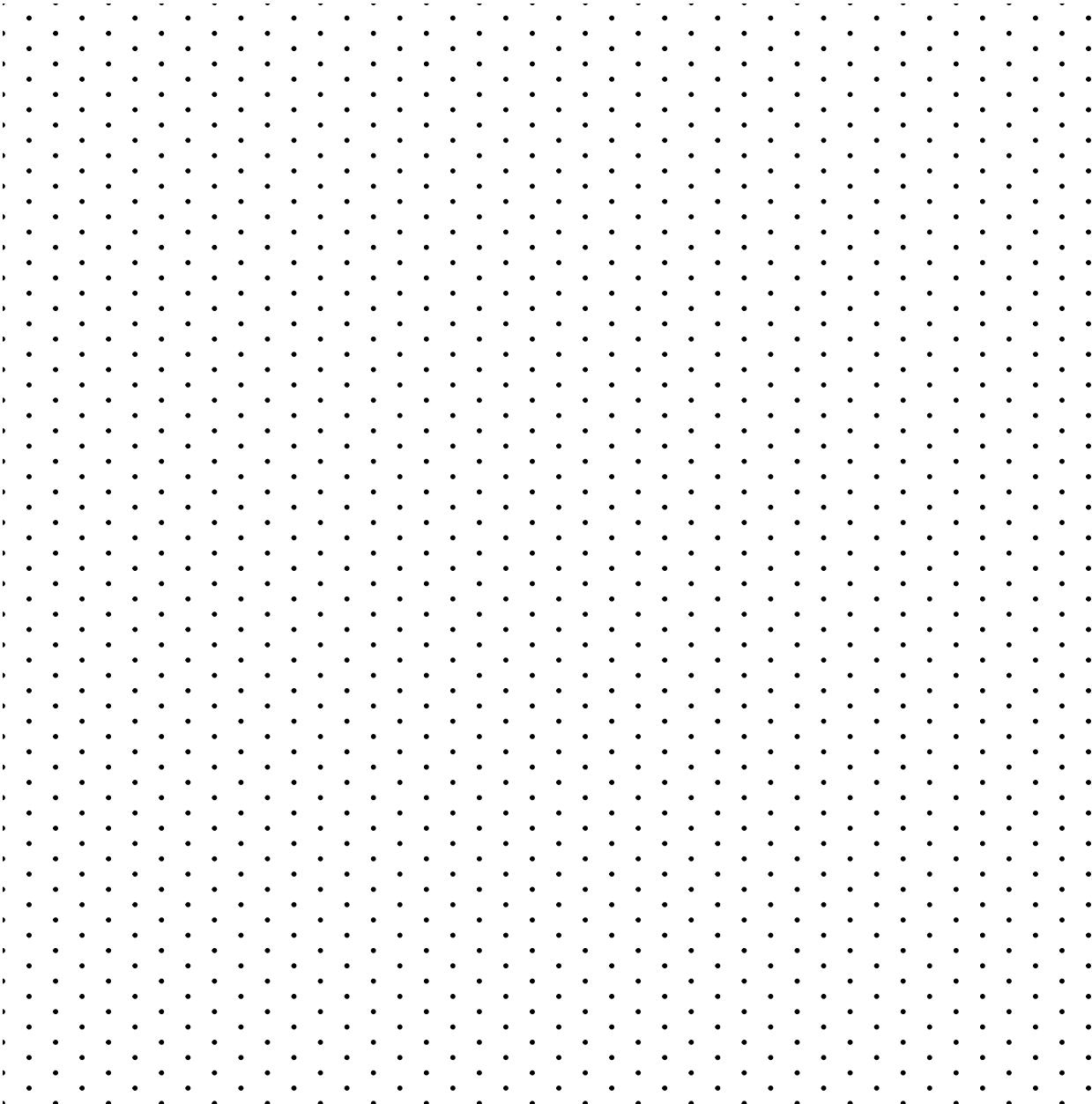
- Describe the result:

Make up your own algorithm. Get creative!



Explain your algorithm:

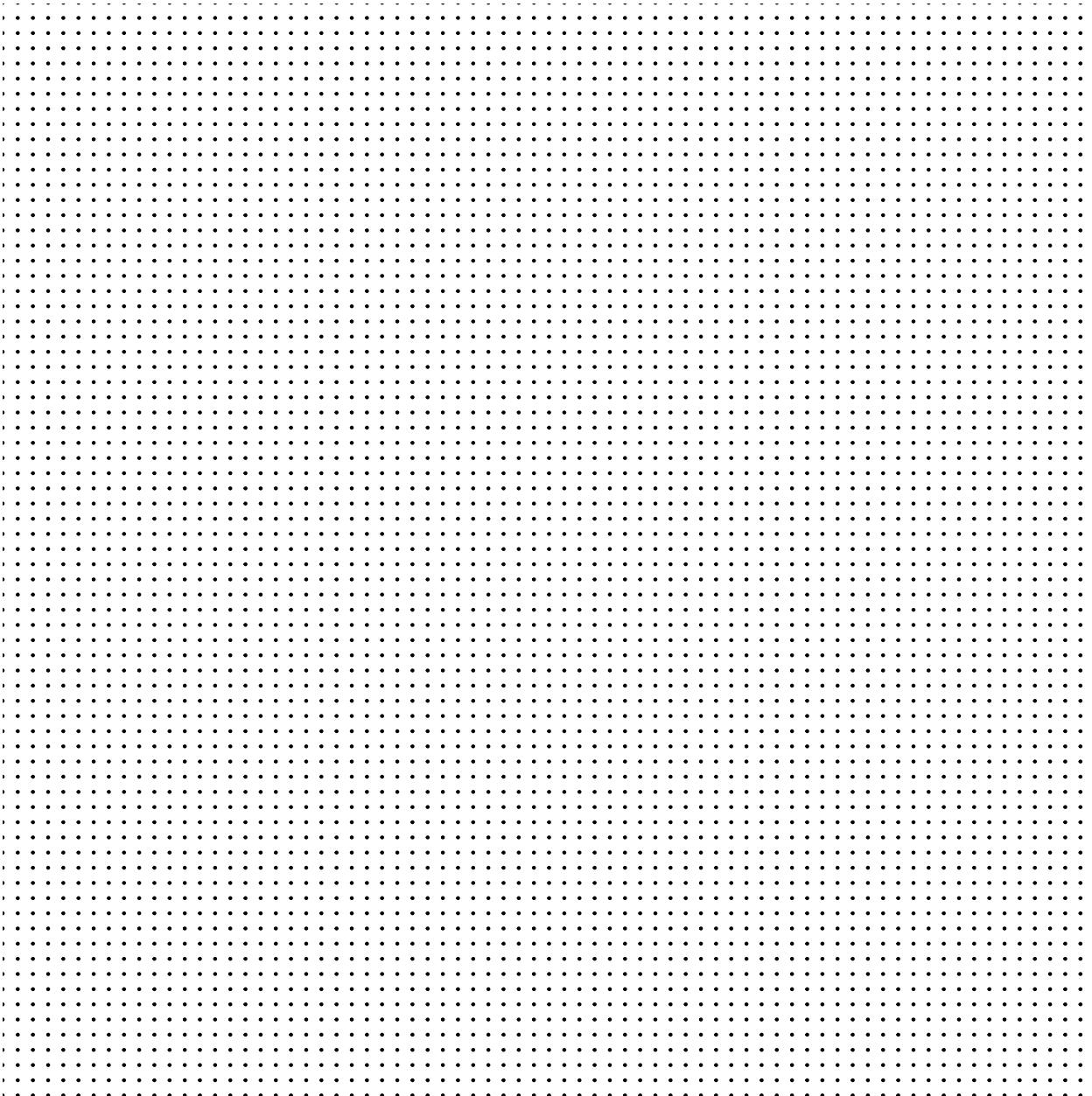
Make up your own algorithm. Get creative!



Explain your algorithm:

- Describe the result:

Make up your own algorithm. Get creative!



Explain your algorithm:

Make up your own algorithm. Get creative!



Explain your algorithm: